



RESIDENT FISH HATCHERIES ANNUAL REPORT

Period Covered: October 1, 1988 to September 30, 1989



August 1990

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
PRODUCTION SUMMARY.....	2
CABINET GORGE	3
CLARK FORK	33
MCCALL	46
NAMPA	51
HAGERMAN	63
HAYSPUR	72
AMERICAN FALLS	78
GRACE	85
MACKAY	105
ASHTON	111
HENRYS LAKE	125

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INTRODUCTION

Resident fish hatcheries produced over 28 million fish weighing approximately 1.2 million pounds in 1989.

Cost of production of all fish was \$1.6 million, for an average cost of \$1.41 per pound. Cost per pound for trout 8-10 inches in length averaged \$0.88, plus an additional \$0.15 per pound for tanker distribution. Total cost per pound for fry and fingerlings averaged \$2.87.

Several major changes in fish production occurred during the past year. Tiger muskie and white sturgeon were reared and released from the Hagerman Hatchery. October spawning kokanee were produced at Mackay Hatchery, and Nampa Hatchery produced Lahontan cutthroat. Cabinet Gorge Hatchery obtained pure strain westslope cutthroat eggs from Montana for release in 1990 at Yellowbelly Lake to develop a broodstock. Ashton Hatchery obtained Atlantic salmon eggs from Maine for release in 1990 into Deadwood Reservoir and Bulltrout Lake. Clark Fork Hatchery began a net pen rearing program for cutthroat in Lake Pend Oreille.

Regional fish requests were modified to increase the number of larger fingerlings for release in October and November. This fish production change will help to improve fish condition at release, increase overall production, and even-out workloads throughout the year.

Fish food purchasing was changed to provide a price list from each major manufacturer for each diet. Individual hatchery managers now have the option of choosing the diet which will perform best for each species. At least three diets will be evaluated per hatchery per year to determine overall cost and performance efficiency.

Additional improvements were made in the fish health program. A coldwater bacterium was identified in young fish at several hatcheries. Antibiotic treatments reduced fish mortalities and has improved the fishes ability to combat other stressors. Control of whirling disease continues to improve at Hayspur Hatchery, with both the Age 0 and Age I fish testing negative. Extensive fish health monitoring at all hatcheries will allow for continued improvements in disease control in future years.

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Idaho Department of Fish and Game
Resident Hatcheries Fish Production
10/1/88 - 9/30/89

Hatchery	Catchable		Fingerlings		Fish food		Total pounds	Feed conversion	Total cost	Cost/ per 1000 fish	Cost/ pound
	Number	Pounds	Number	Pounds	Pounds	Costs					
Hagerman	1,032,575	303,508	2,025,360	43,333	501,325	\$138,719	346,841	1.45	\$314,275	\$102.76	\$0.91
Nampa	851,680	206,555	704,825	28,683	333,190	\$92,396	235,238	1.42	\$232,604	\$149.44	\$0.99
American Falls	397,437	150,310	568,558	3,916	236,252	\$60,836	154,226	1.53	\$159,900	\$165.53	\$1.04
Mackay	130,900	60,429	3,713,822	61,342	130,440	\$45,143	121,771	1.07	\$154,100	\$40.08	\$1.27
Grace	271,149	91,549	394,502	40,355	168,430	\$48,568	131,904	1.28	\$150,000	\$225.34	\$1.14
Hayspur	261,242	69,473	1,298,859	11,814	148,210	\$39,085	81,287	1.82	\$148,000	\$94.87	\$1.82
Ashton	68,733	20,397	987,285	10,537	37,802	\$14,591	30,934	1.22	\$112,200	\$106.25	\$3.63
Cabinet Gorge			13,616,309	31,503	39,956	\$19,098	31,503	1.27	\$183,800	\$13.50	\$5.83
Clark Fork			1,997,502	28,062	51,223	\$28,456	28,062	1.83	\$145,100	\$72.65	\$5.17
McCall			379,221	702	495	\$414	702	0.71	\$34,100	\$89.92	\$48.58
TOTALS	3,013,716	902,221	25,686,243	260,247	1,647,323	\$487,306	1,162,468	1.42*	1,634,079	\$56.94	\$1.41*

Total cost for each hatchery is that hatchery's total budget minus capital outlay expenditures.

*Denotes weighted means.